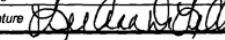


CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail (label number EV178871073US) in an envelope addressed to: Mail Stop: New Application, Commissioner For Patents P.O. Box 1450, Alexandria VA 22313-1450 on under the provisions of 37 CFR §1.10.

Mailer's Name (Print/Type) Lee Ann DiLello Signature  Date 8/18/2003

UTILITY		Attorney Docket No.	ATMI-605
PATENT APPLICATION		First Inventor	Jeffrey F. Roeder
TRANSMITTAL		Title	Precursor Compositions and Processes for MOCVD of Barrier Materials in Semiconductor Manufacturing
(Only for new non-provisional applications under 37 CFR 1.53(b))			

APPLICATION ELEMENTS		ADDRESS TO:	Commissioner for Patents Box PATENT APPLICATION Washington, DC 20231
See MPEP chapter 600 concerning utility patent application contents.			

1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	3. <input checked="" type="checkbox"/> Specification (preferred arrangement set forth below)	[Total Pages 25]	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
<ul style="list-style-type: none"> - Descriptive Title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed Sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 				8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
				a. <input type="checkbox"/> Computer Readable Form (CRF)
				b. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper
				c. <input type="checkbox"/> Statements verifying identity of above copies
ACCOMPANYING APPLICATION PARTS				
9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 <i>(b)(2)(B)(i)). Applicant must attach form PTO/SB/35 or its equivalent.</i> 17. <input type="checkbox"/> Other:				

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

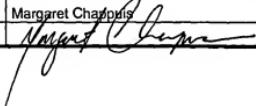
Continuation Divisional Continuation-in-part (CIP)

of prior application No. _____

Group Art Unit: _____

Priority application information: Examiner _____
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number or Bar Code Label	25559 (Insert Customer No. or Attach bar code label here)	<input type="checkbox"/> or	<input type="checkbox"/> Correspondence address below
Name	ADVANCED TECHNOLOGY MATERIALS, INC.		
Address	7 Commerce Drive		
City	Danbury	State	CT
Country	USA	Telephone	(203) 794-1100
		Fax	(203) 797-2544

Name (Print/Type)	Margaret Chayous	Registration No. (Attorney/Agent)	45,735
Signature		Date	8/18/2003

178871073US



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1480)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Jeffrey F. Roeder
Examiner Name	
Art Unit	
Attorney Docket No.	ATMI-605

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number	50-0860
Deposit Account Name	Advanced Technology Mater

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051 65 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	410	2252 205 Extension for reply within second month	
1253	930	2253 465 Extension for reply within third month	
1254	1,450	2254 725 Extension for reply within fourth month	
1255	1,970	2255 985 Extension for reply within fifth month	
1401	320	2401 160 Notice of Appeal	
1402	320	2402 160 Filing a brief in support of an appeal	
1403	280	2403 140 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive - unavoidable	
1453	1,300	2453 650 Petition to revive - unintentional	
1501	1,300	2501 650 Utility issue fee (or reissue)	
1502	470	2502 235 Design issue fee	
1503	630	2503 315 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	40
1809	750	2809 375 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810 375 For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801 375 Request for Continued Examination (RCE)	
1802	900	1802 900 Request for expedited examination of a design application	
Other fee (specify) _____			

SUBTOTAL (1) (\$ 750)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from independent claims	Fee Paid
49	-20** = 29	x 18	522
Independent Claims	5	- 3** = 2	x 54 = 168
Multiple Dependent			=

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	Fee Description
1202	18	2202 9 Claims in excess of 20
1201	84	2201 42 Independent claims in excess of 3
1203	280	2203 140 Multiple dependent claim, if not paid
1204	84	2204 42 ** Reissue independent claims over original patent
1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent

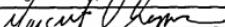
SUBTOTAL (2) (\$ 690)

**or number previously paid, if greater; For Reissues, see above

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40)

(Complete if applicable)

Name (Print/Type)	Margaret Chappuis	Registration No. (Attorney/Agent)	45,735	Telephone	203-794-1100
Signature				Date	8/18/2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.